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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/010,924	12/07/2001	Jukka Wallenius	915-408	5585

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EXAMINER	
AILES, BENJAMIN A	

ART UNIT	PAPER NUMBER
2142	

DATE MAILED: 03/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/010,924	WALLENIUS ET AL.	
	Examiner	Art Unit	
	Benjamin A. Ailes	2142	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *02 March 2006*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-5 and 7-31* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-5 and 7-31* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-5 and 7-31 remain pending.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 18 November 2005 has been entered.

Claim Objections

3. Claims 7, 8, 9, 10, and 23 are objected to because of the following informalities: Currently, dependent claims 7, 8, 9, 10, and 23 all depend upon a canceled claim, claim 6. Appropriate correction is required. For examination proceedings, the Examiner will assume claims 7, 8, 9, 10, and 23 all depend upon independent claim 1.

4. Claim 1 is objected to for the following reason: The Examiner suggests an amendment to claim 1 for further clarification to the limitation starting on line 18 to change the limitation from "user interacting with the content in that a user selects to modify supplementary service data;" to "user interacting with the content in that a user selects to modify supplementary service services and intelligent network services;"

Claim Rejections - 35 USC § 112

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claims 5 and 16 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

7. Regarding claim 5, currently the claim reads "...service activity/inactivity..." It is unclear whether both "activity" and "inactivity" are required as claimed. Appropriate clarification is requested.

8. Claim 16 recites the limitation "the GSM registers" in line 3. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 103

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

10. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

11. Claims 1-5, 7-12, 14-17, 19-28, 30, and 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over An et al. (US 6,031,904).

12. Regarding claim 1, An et al. discloses a method for providing a user interface between a terminal device and a communication network for configuring intelligent network services, said network comprising

a service control entity and a server entity communicating with each other via an interface (figure 2, service manager, web server);

said service control entity being connected to at least one service switching device establishing communication via at least one access network with said terminal device (figure 2, service manager, PSTN, access unit);

said terminal device being provided with a browsing means adapted to communicate with a user of said terminal device via a man machine interface means, and adapted to communicate with said server entity (col. 4, ll. 48-51), the method comprising the steps of:

creating a content which constitutes a user interface for the control of a multiple subscriber profiles feature where said content is for loading into said terminal device in response to a predetermined event and where the user interface comprises standard supplementary services or intelligent network services (col. 3, ll. 10-19 and col. 6, ll. 28-38);

user interacting with the content in that a user selects to modify supplementary service data (col. 6, ll. 18-27);

An et al. discloses the method for providing to a user a browser in which a user can access their profile (col. 6, ll. 28-38). The user is able to have a unified view of their profile and is able to make selections In order to add, delete, change, or update service features. Through the use of An et al's unified view of the profile, it is obvious that the user is able to view supplementary services and intelligent network services simultaneously mainly due to the fact that An et al. discloses in column 3, lines 10-19 the steps taken in order to enable a user to alter features locally (deemed functionally equivalent to applicant's claimed "supplementary services") and features that are intelligent network based. An et al. also discloses in column 6, lines 55-65 that when transactions are made, update requests are submitted over the network to the appropriate locations required to make the necessary updates to the user's service features and profile.

13. Regarding claim 2, An et al. discloses the method wherein said states of the subscriber profiles comprises the identity of the profile designated as the registered profile, or service states, or profiles selected for incoming or outgoing calls, or the execution states of each service (col. 5, ll. 35-48).

14. Regarding claim 3, An et al. discloses the method wherein the modifying the subscriber profiles state includes the selection of the profile to be used for an outgoing call (col. 5, lines 35-48).

15. Regarding claim 4, An et al. discloses the method wherein the modifying the subscriber profiles state includes the selection of the profile to be used for an incoming call (col. 5, ll. 35-48).

16. Regarding claim 5, An et al. discloses the method wherein said services states comprise service activity/inactivity or service parameters for each service (col. 5, ll. 35-48).

17. Regarding claim 7, An et al. discloses the method wherein said predetermined event is an IMSI attach, or a location updating, or a switching on of a new terminal for the user, or a subscriber profile registration request, or a supplementary service activation I deactivation request, or a terminal device originated call set-up request, or a terminal device terminated call set-up request (col. 6, ll. 45-48, user interaction).

18. Regarding claim 8, An et al. discloses the method wherein said loading is effected from a subscriber identity module (SIM) to said terminal device mobile equipment part (ME) (col. 6, ll. 48-55).

19. Regarding claim 9, An et al. discloses the method wherein said loading of said content is effected from a network element to said terminal device mobile equipment part (ME) (col. 6, ll. 48-55).

20. Regarding claim 10, An et al. discloses the method wherein said content is cached in said terminal device for later events (col. 5, ll. 35-39, Examiner notes that the use of caches are well known in the art when using a web browser).

21. Regarding claim 11, An et al. discloses the method wherein said registered profile within the subscriber profiles state is maintained in the service control entity (col. 6, ll. 48-55).

22. Regarding claim 12, An et al. discloses the method wherein the selection of said registered profile is communicated to the service control entity by said browsing means (col. 6, ll. 24-27).

23. Regarding claim 14, An et al. discloses the method wherein the selection of said registered profile is communicated to the service control entity by the content issuing a WSP/HTTP post method (wireless session protocol/hypertext transfer protocol) to said network, the network communicating the registered profile to the service control entity (col. 4, ll. 48-56).

24. Regarding claim 15, An et al. discloses the method wherein said services states within the subscriber profiles state are maintained in the service control entity (col. 6, ll. 28-31).

25. Regarding claim 16, An et al. discloses the method wherein said services states within the subscriber profiles state are maintained partly in the service control entity or in the GSM registers (col. 6, ll. 28-31).

26. Regarding claim 17, An et al. discloses the method wherein a change in said services states is communicated to the service control entity by said browsing means (col. 6, ll. 24-27).

27. Regarding claim 19, An et al. discloses the method wherein a change in said services state is communicated to the service control entity by the content issuing a WSP/HTTP post method (wireless session protocol/hypertext transfer protocol) to said network, the network communicating the registered profile to the service control entity (col. 4, ll. 48-56).

28. Regarding claim 20, An et al. discloses the method wherein the selection of the subscriber profile to be used for a terminated call is performed by issuing a content push to said browser means; user interacting with the content; selected subscriber profile indicated to said server entity (col. 4, ll. 30-38).

29. Regarding claim 21, An et al. discloses the method wherein the selection of the profile to be used for a terminated call is prompted from the user when the calling party dials a number not explicitly indicating the subscriber profile for the incoming call (col. 4, ll. 30-38).

30. Regarding claim 22, An et al. discloses the method wherein the modifying of the state of the subscriber profiles includes the control of the execution of each service (col. 3, ll. 11-19).

31. Regarding claim 23, An et al. discloses the method wherein first the capabilities of the said terminal device or user agent capabilities or both are indicated to said server entity; the said content is selected on the said server entity based on the said capabilities; the said selected content is downloaded to the said terminal device (col. 5, ll. 22-34).

32. Regarding claim 24, An et al. discloses the method wherein the capabilities of the said terminal device or user agent capabilities or both are indicated to said server entity if the mobile equipment part of the said terminal device has changed since the latest power off of the said terminal device (col. 5, ll. 22-34).

33. Regarding claim 25, An et al. discloses the method wherein first said content is downloaded to said terminal device, if it is discovered that such content is not already stored in said terminal device (col. 5, ll. 22-34).

34. Regarding claim 26, An et al. discloses the method wherein information on the downloaded services is inquired from said terminal device and the downloading of said content is performed only if it is not among said downloaded services (col. 5, ll. 22-34).

35. Regarding claim 27, An et al. discloses the method wherein said content discovers the capabilities of said network when the user attaches to the network or enters the area of a new service switching device (col. 5, ll. 22-34).

36. Regarding claim 28, An et al. discloses the method wherein said content modifies the said user interface for the control of a multiple subscriber profiles feature in accordance with said capabilities of said network (col. 5, ll. 22-34).

37. Regarding claim 30, An et al. discloses the method wherein the capabilities of the said terminal device (MS) or browsing means or both are checked and compared to the capability requirements of said content before said loading; and if the capability requirements are not satisfying, downloading said content from said network (col. 7, ll. 21-30, service agent performs validation).

38. Regarding claim 31, An et al. discloses the system for providing a user interface between a terminal device and a communication network for configuring intelligent network services, said system being adapted to operate according to the method according to claim 1 (col. 4, ll. 16-21 and 38-42).

39. Claims 13, 18, and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over An et al. in view of Applicant admitted prior art (AAPA).

40. Regarding claims 13 and 18, An et al. discloses the ability for a subscriber to send messages using a wide range of methods available (PSTN, ISP, computer hooked up to the Internet, a wireless unit, ...) but does not explicitly discloses the use of USSD messaging when performing transactions. However, the use of USSD messaging is deemed a well known messaging technique in the art, as admitted by the Applicant on page 2, lines 25-31 of the specification originally filed on 07 December 2001. Therefore it would have been obvious to one of ordinary skill in the art to utilize USSD messaging.

41. Regarding claim 29, An et al. discloses the ability for a subscriber to make changes to their feature profile, but does not explicitly recite the use of CAMEL service features. However, the use of CAMEL service features is admitted by the Applicant as already being known in the art as recited on page 3, lines 9-10 of the specification. An et al. is directed towards enabling a user to customize service features available including Intelligent Network features (An et al., col. 3, ll. 10-19), therefore in view of AAPA which states the use of CAMEL being standardized, then the utilization of CAMEL in combination with the invention by An et al. would have been an obvious variation and would have been obvious to one of ordinary skill in the art at the time of the Applicant's invention.

Response to Arguments

42. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

43. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Tso et al. (US 6,892,226 B1) discloses a system for delivery of dynamic content to a client device.

Wesinger, Jr. et al. (US 6,850,940) discloses a system for delivery of dynamic content to a client device.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benjamin A. Ailes whose telephone number is (571)272-3899. The examiner can normally be reached on M-F 6:30-4, IFP Work Schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell can be reached on (571)272-3868. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

BEATRIZ PRIETO
PRIMARY EXAMINER

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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